

Claim Amendments

Please amend the claims as follows:

1. (Currently Amended) An outer ring of a wheel bearing comprising a hollow cylindrical section and a flange which leads radially outwards from the hollow cylindrical section, the flange merging at a concave channel into the section, wherein an annular groove is made in a radial outer surface of the outer ring, the annular groove imparting elasticity to the outer ring in a region of raceways, and the channel, as viewed in a longitudinal section through the outer ring along the rotational axis of the outer ring, merges into a face of the flange at a first transition and into a circumferential surface on the section at a second transition, and the perpendicular spacing between an imaginary axial extension of the circumferential surface and the first transition being smaller than a spacing which is parallel to the rotational axis between an imaginary radial extension of the face and the second transition.
2. (Previously Presented) The outer ring as claimed in claim 1, wherein the ratio between the perpendicular spacing and the parallel spacing is at least 1:1.5.
3. (Previously Presented) The outer ring as claimed in claim 1, wherein the channel is described in longitudinal section by radii, at least one first radius merging radially into the flange at the transition and at least one second radius merging axially into the first section at the transition.

4. (Currently Amended) The outer ring as claimed in claim 4, wherein the first radius and the second radius merge into one another between the flange and the section.
5. (Previously Presented) The outer ring as claimed in claim 4, wherein the first radius is smaller than the second radius.
6. (Previously Presented) The outer ring as claimed in claim 1, wherein the ratio between the first radius and the second radius is at least 1:2.5.
7. (Previously Presented) The outer ring as claimed in claim 1, wherein the outer ring is supported at least in sections in a wheel carrier at least radially with respect to the rotational axis, and the flange which is formed axially on the end side of the outer ring bears axially against the wheel carrier here, the wheel carrier bearing axially against the flange and radially against the circumferential surface in such a way that the wheel carrier and the channel are spaced apart from one another at least as far as the transitions.
8. (Previously Presented) The wheel bearing as claimed in claim 1, the outer ring with the flange is cold formed in one piece.
9. (Previously Presented) The wheel bearing as claimed in claim 1, at least one fastening element engages axially behind the flange on a side of the flange which faces axially away from a wheel carrier, and the fastening element bears axially fixedly here

against the flange, the fastening element being fixed on the wheel carrier.

10. (Previously Presented) The wheel bearing as claimed in claim 9, wherein the fastening element is a bolt with a head, the bolt with the head bearing axially against the flange by engaging through a recess of the flange, fastening the flange to the wheel carrier.

11. (Currently Amended) The wheel bearing as claimed in claim 5 10, wherein the recesses are open radially to the outside.